

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

D53
East
1/8-1/4
0.130 mi.
689 ft.

817 NEPTUNE AVE/B U G
817 NEPTUNE AVE
BROOKLYN, NY

NY LTANKS
NY Spills

1000871254
N/A

Site 7 of 9 in cluster D

Relative:
Higher

Actual:
1 ft.

LTANKS:

Name: 817 NEPTUNE AVE/B U G
Address: 817 NEPTUNE AVE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9111983 / 1997-08-14
Facility ID: 9111983
Site ID: 159939
Spill Date: 1992-02-21
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: A3
Cleanup Ceased: Not reported
SWIS: 2401
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 1992-02-21
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 1992-02-28
Spill Record Last Update: 1998-04-07
Spiller Name: MARY CASEY
Spiller Company: BROOKLYN UNION GAS
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extension: Not reported
DEC Region: 2
DER Facility ID: 135101
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was
TIBBE REFER TO 96-07457. SEE ALSO 96-06608 & 91-09988. "

Remarks: "E I & R; 4K/HORNER EZ CHECK -.08 GPH"

All TTF:

Facility ID: 9111983
Spill Number: 9111983
Spill Tank Test: 1539649
Site ID: 159939
Tank Number: Not reported
Tank Size: 0
Material: 0009
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00

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Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:

Site ID: 159939
Operable Unit ID: 965590
Operable Unit: 01
Material ID: 416977
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: -1.00
Units: L
Recovered: .00
Oxygenate: Not reported

Name: BROOKLYN UNION
Address: 817 NEPTUNE AVE
City, State, Zip: BROOKLYN, NY
Spill Number/Closed Date: 9606608 / 1997-08-14
Facility ID: 9606608
Site ID: 159940
Spill Date: 1996-08-15
Spill Cause: Tank Overfill
Spill Source: Commercial/Industrial
Spill Class: B3
Cleanup Ceased: Not reported
SWIS: 2401
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 1996-08-22
CID: 233
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1996-08-22
Spill Record Last Update: 1998-04-07
Spiller Name: MARY CASEY
Spiller Company: BROOKLYN UNION ..
Spiller Address: 1 METRO TECK CENTER
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 135101
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was TIBBE REFER TO 96-07457. SEE ALSO 91-11983 & 91-09988. "
Remarks: "tanks on site are to be retired soil checks in area show contamination mark tibble aware of situation "

All Materials:

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Site ID: 159940
Operable Unit ID: 1034417
Operable Unit: 01
Material ID: 345874
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

SPILLS:

Name: BROOKLYN UNION
Address: 817 NEPTUNE AVE
City,State,Zip: BROOKLYN, NY
Spill Number/Closed Date: 9607457 / 2007-12-13
Facility ID: 9607457
Facility Type: ER
DER Facility ID: 135101
Site ID: 159941
DEC Region: 2
Spill Cause: Unknown
Spill Class: D4
SWIS: 2401
Spill Date: 1996-09-12
Investigator: aaobliga
Referred To: Not reported
Reported to Dept: 1996-09-12
CID: 233
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1996-09-12
Spill Record Last Update: 2008-09-18
Spiller Name: MARY CASEY
Spiller Company: BROOKLYN UNION
Spiller Address: 1 METRO TECH CENTER
Spiller Company: 001
Contact Name: MARY KASEY
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was
VOUGHT 6/4/2003-Rommel received call from James Deriu
(201-529-5151x7205 a consultant working for a NYC Agency interested
in buying the site and forwarded the message to Vought.
6/6/2003-Vought-Called Fanning, Phillips and Molnar (enviromental
consultant in 1997) and they gave a current site contact of Robert
Bednarz (Keyspan-718-403-2727). Vought called Robert and he gave site
contact of Steven Yagos (Real Estate-718-403-2134). Vought called
Yagos and left him a message to return call to NYSDEC. Vought called
Deriu and told him to call in two days for updates. Deriu again
called and said that no further correspondance is needed. File review

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by Vought: UST Closure Report: March 1997, Fanning, Phillips and Molnar, 718-767-3337. Site was formerly maintenance and fueling facility for Brooklyn Union Gas fleet vehicles. Fueling facility was closed in 9/96. One 4000-gallon gasoline, one 550-gallon diesel UST (both active as of 1996) and two 550-gallon diesel UST's (abandoned in 1988) were removed. Seven soil borings were performed for soil disposal characteristics to the water table using a Geoprobe. Analyticals and disposal manifests provided in report. Analyticals show up to 590ppb MTBE in B5 soil, 12,000ppb benzene in B7 soil and 250000ppb naphthalene in B7 soil (indicating both gasoline and diesel impacts to subsurface). A peat layer at 7' was encountered in all borings. Tanks removed by the Tyree Organization. Soil was excavated down to peat layer. Groundwater assumed to flow south towards Atlantic Ocean. Five endpoint samples were taken at excavation limits. A total of 269 tons of soil were removed from the Site. Endpoint analyticals show benzene up to 40,000ppb soil in S2, 2400ppb MTBE soil in S-4 and 87000ppb naphthalene in soil. Groundwater sample taken downgradient of tank field shows up to 22ppb MTBE. Report concludes that contaminants are immobile because they did not show up in assumed downgradient location and requests NFA closure. Vought-gradient NEVER determined. Three monitoring wells and tidal study must be performed to determine groundwater flow followed by groundwater analyticals and removal of remaining soil contamination (indicated by endpoint samples). 5/20/04-Vought-Spoke to Bart Polizzotti (516-545-5511) who is working for Keyspan who will be sending in recent tank closure report and letter from DEC Tibbe. 9/2/05 - Spill transferred from Vought to Obligado 2/16/06 - Obligado - phone call from Bart Polizzotti - (516)-545-5511 - Inquiring about status of open spill number. Tell him I will review the file. Review Follow-up UST report, dated May 1998. Documents installation of 8 piezometers to determine ground water flow direction. 3 of 8 piezometer readings eliminated due to building influence. Remaining 5 piezometers show ground water flow to south-southeast. Three wells installed south of GW-1. All wells show non detect, however no wells installed in source zone. DEC requires: Ground water samples to be collected in the source area and not 40 ft away in downgradient direction. Monitoring wells should be installed at impacted soil endpoint sampling locations S2,S3, and S4. 2/24/06 - Obligado - Spoke to Bart to inform of DEC requirements, sent email with DEC letter attachment with requirements. Due date 5/26/06. 6/20/06 - Obligado - Called Mr. Polizzotti about overdue report. Left Message to call DEC. Sent Email reminder as well. 6/23/06 - Obligado - Spoke with Mr. Polizzotti. He said that no work was done. 6/26/06 - Obligado - Sent another letter. Due date of 8/26/06 or referral to legal. 7/18/06 - Obligado - PHone call from Phil Schade from H2M (631) 756-8000. He said he plans to install the wells on thursday, 7/20/06. 7/27/06 - Obligado - Spoke to Phil Schade, H2M. Wells were installed on 7/20/06. Wells will be sampled on 7/31/06. 8/30/06 - Obligado - Received investigation summary report. 3 4 diameter wells installed at required locations. S3 soils still heavily impacted - 20,000 ppb benzene, 750,000 ethylbenzene, 970,000 xylene, 1,741,300 total VOCs. SVOCs show high PAH's in all locations and 75,000 naphthalene in S3. GW sampling show only benzene impacts at MW4, MW5, and MW6 at 4 ppb, 4 ppb, and 56 ppb, respectively. Report recommends investigation of PAH source and installation of cross gradient and upgradient borings to delineate gw and soil contamination. 9/5/06- Obligado - phone call from Paul Lagerman 631-756-8000. He is installing additional borings on 8/7/06. 1/16/07 - Obligado - Review Supplemental Soil and Groundwater Investigation report dated 12/30/06, submitted by H2M

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group. 5 additional soil borings advanced. 3 converted to gw monitoring wells (MW7 and MW8) in between the site and coney island creek, 1 cross gradient of excavation to east (MW9). 2 of the borings (SB1 and SB2) were done in the vicinity of MW5 for disposal characterization. VOCs detected in soil samples B1 and B2 as expected (max VOCs 208,000 ppb). No VOCs in soil samples MW7, MW8, and MW9. Elevated lead concentrations in soil sample B1 (10,100 mg/kg lead). TCLP for b1 was 27.7 mg/L, above 5.0 mg/L limit so these soils are considered a hazardous waste. Forensics on the soil sample suggest likely due to leaded gasoline release (contains tetraethyl lead). Elevated SVOCS in most soil samples probably due to historic fill, except for elevated naphthalene and 2-methylnaphthalene found in former UST area. Ground water sampling show elevated BTEX in MW5 (1000 ppb benzene, 36 toluene, 600 ethylbenzene, 190 xylene) and elevated benzene in MW6 - 200 ppb. H2M hill recommends soil excavation around MW5 via vacuum due to building structural concerns. Soils in vicinity of B1 should be segregated and disposed of as hazardous waste. All other soils should be temporarily stockpiled or containerized separately. 1/18/07 - Obligado - Called Paul Lagermaen. Left message. 2/20/07 - Obligado - Spoke with Paul Lagerman. Excavation is on going at the site. So far 3 roll-offs have been filled with excavated soil, and 300 tons are stockpiled. Excavated area consists of a horseshoe shaped excavation north, east, and south of the former UST excavation. Also they did test borings inside the building and plan to excavated a 12 X 31 ft area inside the building. A 5x5' area west of MW5 was excavated and stored separately and will be disposed of as hazardous waste due to high lead. Excavation will continue through this week. Field contact is Chris Anastasio - 516-818-9441. 2/27/07 - Obligado - Site meeting with Paul Lagerman. Excavation is completed outside. Endpoint samples were below TAGM for VOCs. They still need to excavated in side the building. I told authorized them to backfill the excavation outside. I informed Paul they would need to do post remedial ground water monitoring due to very high benzene concentrations in ground water (1000 ppb). Paul said they would reinstall MW5, which was destroyed during the excavation. 5/4/07 - Obligado - Phone call from Paul Lagerman. They plan to backfill the excavation and then reinstall any wells that were destroyed. They will also be doing additional excavation inside the building. 8/28/07 - Obligado - Received phone message from Paul Lagerman. 12/12/07 - Obligado - Review Soil and Groundwater Remediation Report, dated October 26, 2007. The report documents additional soil removal activities. The 1997 excavation was over-excavated between January 2007 and July 2007. A total of 1363 tons of non-hazardous petroleum impacted soil were excavated and disposed of off-site. Excavation of the courtyard area and inside the building, and under building foundation. Additionally, 1 20 cubic yard roll off of lead contaminated soil was disposed of as hazardous waste. During excavation, dewatering was necessary, and a total of approximately 111,000 gallons of ground water was removed and disposed of off-site. Waste manifests for petroleum contaminated soil, lead contaminated soil, and petroleum impacted ground water were included in the report. Initial endpoint results had soil exceedences in 2 samples, sample sp4 and sp7, however these were eventually over excavated until non-impacted soil was reached. All endpoints of final excavation were below SCOs for BTEX. Subsequent to soil removal, monitoring wells MW5 and MW6 were reinstalled and all wells were sampled in July. BTEX found only in 2 of 9 wells, MW5 and MW6. Wells were resampled again in October. GW results showed 4 ppb benzene in MW5 and in MW6 - 54 ppb benzene, 8.7 ppb toluene, 40 ppb

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ethlybenzene, and 5.2 xylene. All other surrounding wells were ND. Requests closure based on clean endpoints, decreased gw concentrations compared with pre-remediation (previously 1000 ppb benzene in MW5), the future use of the site will be deed restricted for light industrial use, and ground water at the site is not used as potable source as it is saline. After discussion with DEC Sun, agree to close spill based on 1) very low VOCs concentrations found in only 2 of 9 wells, max total VOCs less than 100 ppb, 2) plume completely delineated, ND in all perimeter wells, in particular, ND in 2 wells bordering the coney island creek, and ND in the well between source area and nearby apartment buildings, 2) residual gw contaminated area is small 3) very comprehensive source removal (1136 tons of soil removed) in courtyard area, under building, and even under foundations, and all endpoint soil samples were ND for BTEX 4) bulk reduction in ground water concentrations 5) over 100,000 gallons of ground water removed and properly disposed of 6) the zoning of site will remain light industrial due to deed restriction. This spill is closed, NFA letter sent to Keyspan, cc to Paul Lageraan 4/4/08 - Oblgado - Received Monitoring Well Abandonment letter. "

Remarks: "tanks to be removed next week soil in area is contaminated "

All Materials:

Site ID: 159941
Operable Unit ID: 1038612
Operable Unit: 01
Material ID: 346716
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Site ID: 159941
Operable Unit ID: 1038612
Operable Unit: 01
Material ID: 346715
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported